NOV 15 2006
PATENT & TRADEMARK OFFICE
IAP69

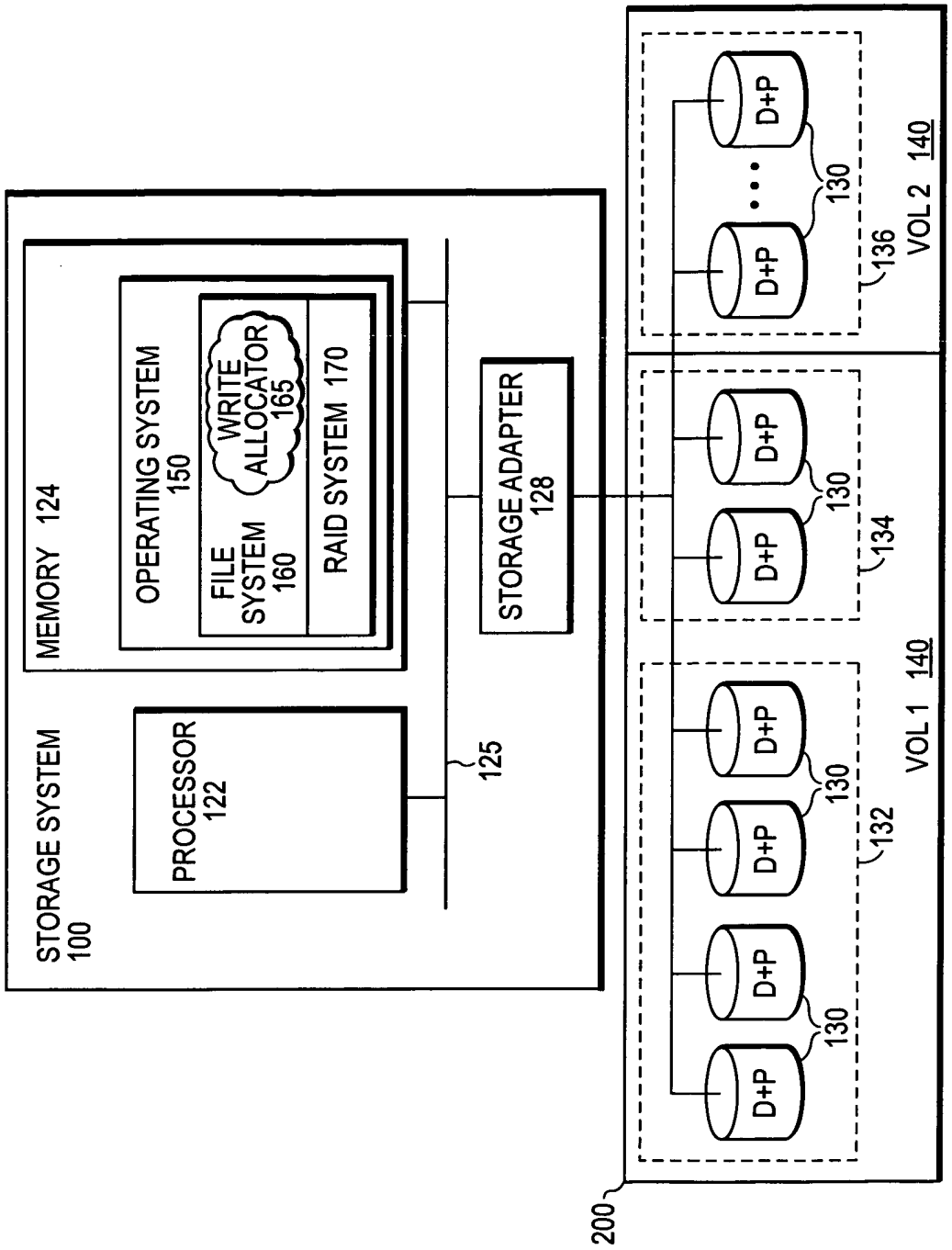
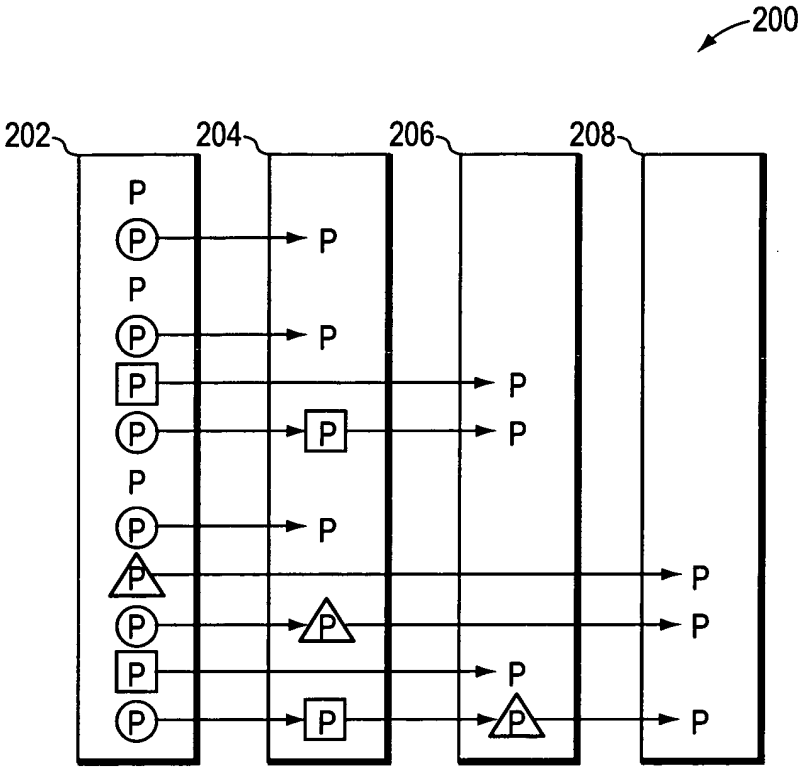


FIG. 1


200
202
204
206
208
P
P
P

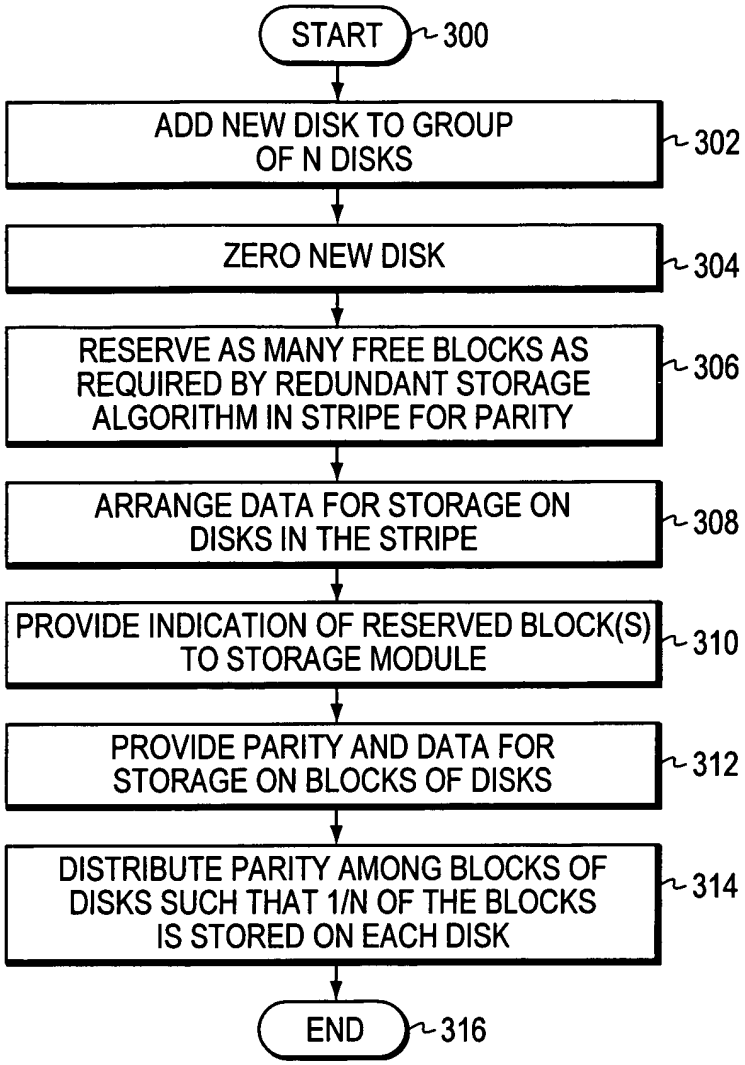

START
300
ADD NEW DISK TO GROUP OF N DISKS
302
ZERO NEW DISK
304
RESERVE AS MANY FREE BLOCKS AS REQUIRED BY REDUNDANT STORAGE ALGORITHM IN STRIPE FOR PARITY
306
ARRANGE DATA FOR STORAGE ON DISKS IN THE STRIPE
308
PROVIDE INDICATION OF RESERVED BLOCK(S) TO STORAGE MODULE
310
PROVIDE PARITY AND DATA FOR STORAGE ON BLOCKS OF DISKS
312
DISTRIBUTE PARITY AMONG BLOCKS OF DISKS SUCH THAT 1/N OF THE BLOCKS IS STORED ON EACH DISK
314
END
316

FIG. 3

400

GROUP SIZE	REPEAT INTERVAL
2	2
3	6
4	12
5	60
6	60
7	420
8	840
9	2,520

GROUP SIZE	REPEAT INTERVAL
10	2,520
11	27,720
12	27,720
13	360,360
14	360,360
15	360,360
16	720,720
17	12,252,240

FIG. 4